TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID	:	**CP-2018-07-10-05**
Customer	:	Assistant Executive Engineer, T-Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T-Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to CC roads at MTS Colony cross roads in T.Dasarahalli in Ward No. 15.
Agency	:	Sri. KS Ramesh, No.127, 3rd Cross, Ramaiah Layout, Nagasandra Post, Bengaluru-560073
Customer's Reference	:	EE/DD/WO/331/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	10-07-2018
Sample ID No	:	2018-07-10-05 /01
Customer ID	:	M20 Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	14/07/2018

Date: 14/07/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	07/07/2018	14/07/2018	150.22 X 149.63 X 151.24	22477	8.214	407.8	18.1	18.4
2	M20 Concrete	M20	07/07/2018	14/07/2018	150.66 X 150.24 X 150.69	22635	8.025	429.1	19.0	
3	M20 Concrete	M20	07/07/2018	14/07/2018	150.24 X 150.77 X 149.66	22652	8.196	409.4	18.1	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
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Samples will be disposed after 90 days from the date of issue of test certificate

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL PRO BANGALORE Sig..... Date.....

****End of Report****

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Certificate No.: TC- 5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-07-10-05

Date: 04/08/2018

Customer : Assistant Executive Engineer, T-Dasarahalli Sub Division, BBMP, Bangalore.

Address : T-Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to CC roads at MTS Colony cross roads in T.Dasarahalli in Ward No. 15.

Agency : Sri. KS Ramesh, No.127, 3rd Cross, Ramaiah Layout, Nagasandra Post, Bengaluru-560073

Customer's Reference : EE/DD/WO/331/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 10-07-2018

Sample ID No : 2018-07-10-05 /02

Customer ID : M20 Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 04/08/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	07/07/2018	04/08/2018	149.66 X 150.74 X 150.89	22560	8.201	516.6	22.9	23.1
2	M20 Concrete	M20	07/07/2018	04/08/2018	150.23 X 150.63 X 151.22	22629	8.169	522.7	23.1	
3	M20 Concrete	M20	07/07/2018	04/08/2018	150.48 X 151.85 X 150.05	22850	8.174	534.7	23.4	

Note:

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Format No: CP/TF/01

TEST RESULTS OF STEEL

Lab ID	:	**CP-2018-07-03-03** **Date: 05-07-2018**
Customer	:	Assistant Executive Engineer, T-Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T-Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to CC roads at MTS Colony cross roads in T.Dasarahalli in Ward No. 15.
Agency	:	Sri. KS Ramesh, No.127, 3rd Cross, Ramaiah Layout, Nagasandra Post, Bengaluru-560073
Customer's Reference	:	EE/DD/WO/331/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	03-07-2018
Sample ID No	:	2018-07-03-03 /05
Sample Type	:	Sunvik
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
Date of test:	:	04-07-2018

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.393	518	632	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.612	529	648	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.882	535	653	19.0%	Satisfactory	Satisfactory

Note:

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Quality Manager

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ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

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Format No: CP/TF/01

TEST REPORT OF PRECAST COVER SLAB

Lab ID	:	**CP-2018-07-03-03** **Date: 07-07-2018**
Customer	:	Assistant Executive Engineer, T-Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T-Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to CC roads at MTS Colony cross roads in T.Dasarahalli in Ward No. 15.
Agency	:	Sri. KS Ramesh, No.127, 3rd Cross, Ramaiah Layout, Nagasandra Post, Bengaluru-560073
Customer's Reference	:	EE/DD/WO/331/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	03-07-2018
Sample ID No	:	2018-07-03-03 /06
Sample Type /Size	:	Precast Cover Slab
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete
Date of test	:	04/07/2018

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	75.48	100.51	1.388	4474	86.7	19.4	18.0	22.5
2	Cover Slab-2	75.52	100.52	1.378	4478	85.1	19.0	17.7	22.1
3	Cover Slab-3	75.49	100.51	1.398	4475	87.1	19.5	18.1	22.6

Note:

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TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2018-07-03-03 **Date: 06-07-2018**

Customer : Assistant Executive Engineer, T-Dasarahalli Sub Division, BBMP, Bangalore.

Address : T-Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to CC roads at MTS Colony cross roads in T.Dasarahalli in Ward No. 15.

Agency : Sri. KS Ramesh, No.127, 3rd Cross, Ramaiah Layout, Nagasandra Post, Bengaluru-560073

Customer's Reference : EE/DD/WO/331/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 03-07-2018

Sample ID No : 2018-07-03-03 /03

Sample Type : Fine Aggregate

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption

Date of test : 03-07-2018

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	19	19	1.9	98.1	90-100	90-100	90-100	95-100
3	2.36 mm	144	163	16.3	83.7	60-95	75-100	85-100	95-100
4	1.18 mm	179	342	34.2	65.8	30-70	55-90	75-100	90-100
5	600 micron	204	546	54.6	45.4	15-34	35-59	60-79	80-100
6	300 micron	219	765	76.5	23.5	5-20	8-30	12-40	15-50
7	150 micron	172	937	93.7	6.3	0-10	0-10	0-10	0-15
8	Pan	63	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

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